# Mountain Weather Forecast

## Lake District National Park

Forecast valid from 06:00 on Tuesday 09 Jan 2024 until 23:59 on Wednesday 10 Jan 2024

Forecast Issued on Tuesday 09 Jan 2024 at 02:01

**Confidence:** High for the cold and mainly dry period of weather to continue through this week. Lower confidence for cloud amounts.

**Headline for Tuesday 09 Jan 2024:** Dry and bright but very cold with strong winds.

**Mountain weather hazards on Tuesday 09 Jan 2024**

| | | |
|---|---|---|
| **Blizzards**<br>No Likelihood | **Heavy persistent snow**<br>No Likelihood | **Storm force winds**<br>No Likelihood |
| **Gales**<br>Low Likelihood | **Severe chill effect**<br>High Likelihood | **Poor visibility**<br>No Likelihood |
| **Thunderstorms**<br>No Likelihood | **Heavy persistent rain**<br>No Likelihood | **Strong sunlight**<br>No Likelihood |

| **Weather and chance of precipitation at 800m** | | | | | |
|---|---|---|---|---|---|
| Time | | | | | |
| 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
| | | | | | |
| Partly cloudy (night) | Sunny intervals | Sunny | Sunny | Clear night | Clear night |
| Precipitation probability | | | | | |
| <05% | <05% | <05% | <05% | <05% | <05% |

**Forecast for Tuesday 09 Jan 2024**

**Weather:** Dry with clear spells overnight then Tuesday will be dry and bright with sunny spells. Feeling bitterly cold with strong easterly winds on the tops. Long clear periods in the evening.

**Chance of cloud-free hill tops above 800m:** 95%.

**Low cloud and visibility:** Very good visibility with any cloud above the summits.

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**Forecast for Tuesday 09 Jan 2024**

| Height (m) | Wind Speed mean/gusts (mph) Wind Direction (blowing from) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **900** | 30/35 E | 32/39 E | 33/41 E | 29/36 E | 26/33 E | 27/34 E | 29/35 E |
| **600** | 15/20 E | 20/27 E | 22/29 E | 19/26 E | 16/22 E | 18/25 E | 16/22 E |
| **300** | 8/27 E | 10/28 E | 10/27 E | 4/18 E | 6/19 E | 4/18 NE | 7/20 NE |
| **Valley** | 3/17 NE | 6/17 NE | 4/15 NE | 4/11 N | 9/18 NE | 8/16 NE | 10/19 NE |

| Height (m) | Temperature / Feels Like (°C) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **900** | -5/-15 | -4/-14 | -3/-12 | -2/-10 | -2/-10 | -3/-11 | -2/-11 |
| **600** | -3/-9 | -3/-10 | -2/-9 | -1/-8 | -2/-9 | -2/-9 | -2/-8 |
| **300** | -1/-5 | -1/-5 | 1/-4 | 0/-2 | -1/-4 | -1/-4 | -0/-4 |
| **Valley** | 2/-0 | 1/-2 | 3/1 | 3/0 | 2/-2 | 2/-2 | 2/-2 |
| **Freezing Level*** | 100m | 00m | 200m | 200m | 100m | 100m | 300m |

**Level above which ground is expected to be frozen/snow is expected to settle.*

**Meteorologist's View**

A very cold day especially in exposure to the strong and gusty winds. Gusts of 50mph on high ridges and summits with a risk of being blown over.

**Forecast for Wednesday 10 Jan 2024**

**Weather:** Dry with clear spells overnight but becoming cloudy. A cloudier day with a few light showers, these falling as sleet or snow above 400m.

**Maximum wind:** East or Northeast 20mph gusts 30mph.

**Chance of cloud-free hill tops above 800m:** 90% becoming 60% during the morning.

**Low cloud and visibility:** Good at first but occasionally poor in wintry showers with occasional cloud cover above 600m.

**Temperature:** **Valleys:** Minus 1C rising to 6C.
**At 800m:** Minus 2 or 3C.
**Freezing level:** 200m rising to 600m.

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# Mountain Weather Forecast

**Ground Conditions Supplement**

Date: Monday 8 January Location: Helvellyn summit at 12:15 Full report: The Lake District fells are feeling a lot more wintery as overnight snow brought in on light NE winds has fallen on frozen ground creating a cosmetic covering above 500m. Microspikes were very useful today even at low elevations to safely deal with the tricky conditions underfoot. In many places the new snow was hiding the hazards from the last few days - sheet ice, compacted icy snow, vergals (black ice) & rime. Area of sheet ice on paths were found down to valley level. On Helvellyn the old patchy snow cover can be found above 800m on the steep east face and is hard and well frozen. Small cornices still exist above this face and should be given a wide berth especially in poor visibility. Striding Edge has been transformed and is now in full icy winter condition requiring microspikes and good footwork to traverse safely. Swirral Edge was still in full winter condition with steep & unavoidable icy snow, verglas and rime ice all hidden beneath the new snow making progress very tricky. Even a simple slip here, not quickly arrested, would end in a tumbling fall over rocks. Crampons / microspikes and an ice axe are currently essential for this route especially in descent. Please don't attempt this route if you don't have the correct equipment and or skills. Full winter clothing (waterproofs, extra warm layers, hat & gloves), mountain boots and equipment including a torch, map and compass are all essential to safely roam the fells. Freezing temperatures overnight will give very similar conditions tomorrow with more ice and rime so crampons / microspikes and an ice axe will be essential for anyone who's route takes them onto exposed terrain where there is a risk of a slide or fall. Microspikes will also be very useful on paths at all altitudes. Temperature: minus 3.3C, Maximum wind speed 36.1 mph, Wind chill: minus 14.4 C, Average wind speed: 32.1 mph.

Issued at: 02:01 on Tue 09 Jan 2024

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